





Science الصف 4 الابتدائي

مراجعات الفصل الدراسي الأول

2022-2021



Model (1)

1 Choose the correct a	nswer:		
1 The leaves of most	desert plants are		
a. are large and lc. broad and have		b. are small and d. lose water ed	
Which of the follow	ving examples of movemen	nt cannot be obse	rved?
a. A train movingb. The movementc. A ball moving	t of the moon around Ear	th. <mark>d.</mark> A pen falling	down
environmental cor	organisms that do not have nditions?	methods that her	р тет адарсто
a. Their number ic. They remain thed. The biodiversit		b. They extinct.	
4 The organ which is	responsible for the sense of	of sight is the	
a. ear	b. eye	c. nose	d. skin
Which of these ma	terials reflects light better?		
a. Wood	b. Mirror	c. Plastic	d. Cardboard.
6 Which of the follow	ving examples represents a	pull force?	
a. The attractionc. The player kicl	of the Earth to an object		x to move it. per stops the ball.
7 The energy produ	ced when the electric heat	er is turned on is th	ne energy.
a. electrical	b. sound	c. thermal	d. chemical
8 Fish breathe the di	ssolved oxygen in water th	rough	
a. skin	b. lungs	c. gills	d. stomach
To calculate the vel	ocity of a body, we need to	know	. •
a. distance onlyc. energy and time	ne	b. time onlyd. distance and	time
10 What are the two o	organs that represent the co	entral nervous syst	tem?
	nd the vertebral column.	•	



2 Complete the following sentences using the given words:				
(respiratory – balanced - digestive - movements - structural - behavioral - 4 - 1	00 - unbalanced)			
Bees are similar to humans in communicating through				
A body that travels a distance of 20 meters in 5 seconds, so its speed is	m/s.			
When forces act on a static body, it will move.				
4 Migration of birds to warm places is an example of adaptation				
5 The system that digests food and obtains nutrients is system.				
3 Put (\checkmark) or (X) in front of each of the following sentences:				
1 Communication between ants is through their sense of smell.	()			
2 Human has tapetum lucidum in his eye to help him see at night.	()			
3 The energy stored in the battery is called chemical potential energy.	()			
When the speed of a body decreases, its kinetic energy increases.	()			
5 The nervous system works separately from the senses.	()			
4 Write the scientific term for each of the following sentences using the given words:				
(Friction - Kinetic energy - Energy - Adaptation - Response ti	me)			
1 A distinctive feature of an organism that helps it to survive.	()			
The time taken by a body to receive information from the environment, and it and responds to it.	d then processes			
A force that arises between the surfaces of two bodies in contact and slows	down their			
motion.	()			
4 The ability to do work.	()			
5 The energy possessed by the body due to its motion.	()			
5 Choose from column (B) what suits in column (A):				
(A)	(B)			
1 The visible form of energy that is transmitted in the form of waves is energy.	() Language.			
2depends on sound bounce in locating the prey.	() light.			
3 energy is stored in food.	() unbalanced.			
4 When a rocket is launched and is able to leave the planet, because it is	() Chemical.			
affected by forces.				
s a code in the form of sounds to convey information.	() Bat.			



Model (2)

1 Cho	oose the correct answ	/er:			
1	The eyes narrow involu	untarily to avoid sudde	n bright light, what a	re the two organs	
I	responsible for this?				
	a. Nervous and musc	cular.	b. Nervous and re	espiratory.	
	c. Circulatory and m	uscular.	d. Circulatory and	d respiratory.	
2	Digestion of food begi	ns in the mouth and er	nds in the	•	
	a. anus	b. stomach	c. small intestine	d. large intestine	
3	helps the	human being to maint	ain the ecological sys	stem.	
	a. eroding the soil		b. planting trees		
	c. cutting trees		d. building new u	rban communities	
4	Which of the following	cases represents the t	ransmission of a mes	sage from the sense	
	organs to the nervous	system?			
	a. When you take yo	ur hands off a hot obj	ect.		
	b. When you scream	after hitting the table	e.		
	c. When your finger l	bleeds after being inju	ured.		
	d. When your finger	touches the spines of	an aloe vera plant.		
5	A boat moves a distand	ce of 30 meters in a tim	e of 10 seconds, so i	ts speed is m/s.	
	a. 3	b . 10	c. 30	d. 300	
6	Which statement expla	ains why you see your r	eflection when you l	ook in the mirror?	
	 a. The light is refract 	ed when it passes thr	rough the mirror.		
	b. The light is reflect	ed back from the mir	ror.		
	c. The light is refract	ed and bounced off tl	ne mirror.		
	d. The light is reflect	ed when it passes thr	ough the mirror.		
7	The class students play	tug-of-war in the cou	rtyard, and there are	ten students on both sides	
	of the rope, what indicates that none of them moved?				
	a. One team has mor	re energy than the ot	her.		
	b. One team has half	fthe energy of the ot	her team.		
	c. Both sides have eq	ual and opposite forc	es in direction.		
	d. Both teams have u	inequal and opposite	forces in direction.		
8	You can determine the	roughness of a sound	•		
	a. pitch		b. type of sound		
	c. echo		d. pattern and typ	oe of sound	
9	Which of the following	allows light to pass th	rough?		
	a. Wood.	b. Glass.	c. Metal.	d. Wall.	
	Among the examples of enemies are		ns that help an anim	nal to protect itself from	
	a. extinction	b. migration	c. reproduction	d. camouflage	



2 Complete the following sentences using the given words:	
(chemical - thermal - exhalation - inhalation - kinetic - position - ec	ho - friction)
1 The dolphin can locate objects through echolocation by	
When objects fall downward, the energy stored in them is converted into.	energy.
3 The diaphragm muscle contracts and moves down during the process of	
When you ride your bike, theenergy which is stored in food ir converted into kinetic energy.	nside your body is
The force that reduces the speed of a body and affects in the direction op motion is	posite to its
3 Put (✓) or (X) in front of each of the following sentences:	
1 Plants need long roots that extend deep into the soil to survive in the water scarcing	ty environment. ()
2 The number of breathing times decreases when doing activities and making	ing effort. ()
3 As the force acting on a body increases, the distance it moves increases.	()
4 Some insects can communicate by sending flashes of light.	()
We can see things around us as a result of refraction of light.	()
4 Determine the type of adaptation whether "structural or "behavioral":	
1 The buttress roots of some plants.	()
2 The beaks of some birds are sharp and strong to tear the flesh of prey.	()
3 Some animals hide in burrows to avoid the intense summer heat.	()
The presence of gills in fish to help them breathe in water.	()
5 Frogs hibernate to avoid the extreme drop in temperatures.	()
5 Give an example for each of the following:	
1 Transparent material.	
Technological communication systems.	
3 A device that converts electric energy into light and heat energy.	
4 An animal has the ability to turn its head in all directions.	
5 Pushing force.	
	•••••



Model (3)

1	Ch	oose the correct answ	ver:		
	1	When gasoline is burne	ed, the stored chemica	l energy is released i	n the form of
		a. smokes		b. carbon dioxide	gas
		c. spark		d. heat	
	2	What kind of surfaces	scatter the light randon	nly?	
		a. Shiny.	b. Rough.	c. Smooth.	d. Transparent.
	3	The antelope that lives	in the vast plains adap	ots by	
		a. thick fur that helps	s to keep warm in wir	nter	
		b. long legs that help	p it to run quickly		
		c. bright colors help	him to attract the otl	her sex	
		d. a strong outer she	ll protects it		
	4	Humpback whales use	singing for	•	
		a. warming		b. hiding from ene	emies
		c. mating and feeding		d. having fun with	n whales
	5	The organ that process	ses and interprets infor	mation similar to a c	omputer is
		a. spinal cord	b. skin	c. brain	d. nerves
	6	The movement of a sai	ilboat in the water by th	ne action of the air is	force.
		a. pull	b. push	c. friction	d. gravity
	7	As the time taken to tr	avel a certain distance	increases, the speed	of the body
		a. increases	b. does not change	c. decreases	d. doubles
	8	is the sens	e that you use to ident	ify the smell of a per	fume.
		a. Taste	b. Sight	c. Smell	d. Hearing
	9	The juices of the liver a	and pancreas are poure	d into	
		a. the stomach		b. the small intes	tine
		c. the large intestine		d. the mouth	
	10	The tapetum lucidum	is one of the	adaptations that e	enable some animals to see
		in the dark.			
		a. structural	b. behavioral	c. (a and b)	d. no correct answer



2 Complete the following sentences using the given brackets:	
1 The echo sound feature depends on thesense.	(smelling – hearing)
2 The time taken to receive information from the environment and respo	and to it is
called	ion time - speed time)
3 Electric wires transmit energy to homes and streets.	(chemical - electric)
The force that causes the fruits to fall from the tree downwards is the	•
	ushing force - gravity)
5 Fish use to extract dissolved oxygen in the water.	(lungs - gills)
3 Correct the underlined words:	
Cows have sharp teeth suitable for eating grass.	()
When the body reaches its maximum height, it stores maximum kinetic	energy.
	()
3 The bowl-like face of an owl is an example of behavioral adaptation.	()
4 Sound is the visual form of energy that is transmitted in the form of wa	ves. ()
5 When the body speed increases, its kinetic energy decreases.	()
4 Choose from column (B) what suits in column (A):	
(A)	(B)
1 When an unbalanced force is applied to a static body.	() Diaphragm.
When the wall opposes a moving car and stops it.	() Nerves.
3 Wood is an	() Opaque material.
4 Carry messages from the brain and spinal cord to the rest of the body.	() it starts to move.
5 A large muscle that helps in the inhalation and exhalation processes.	() it is a friction force.
5 Determine the type of the energy in each of the following cases:	
1 Energy stored in batteries.	()
2 The energy produced when the electric heater is turned on.	()
3 Energy stored in a ball at the top of a ramp.	()
4 The energy of a player while running.	()
5 The energy generated when the radio is turned on.	()



Model (4)

1

Choose the correct answer:					
1	1) Which of the following is a source of light?				
2		. Which device received		d. The mirror. neard the sound of a car g signal that enabled Ramy	
	a. The circulatory sys	stem.	b. The excretory	system.	
	c. The muscular syste	em.	d. The nervous sy	stem.	
3	Fatima pushes a big bo	ox and Ezz comes to hel	lp her.		
	How does this change	the force and the dista	nce moved by the bo	ox?	
	a. It does not change	e the force or the dist	ance.		
	b. The force increase	s and distance decrea	ises.		
4	c . The force and distorthe system responsible			es, its distance increases. y with nutrients is	
5	a. respiratoryBats use their sense of	b. digestive to reach the	c. excretory neir prey and avoid h	d. nervous litting objects	
	a. sight	b. smell	c. hearing	d. taste	
6	Which of the following the leaves of trees?	helps reptiles, such as	the panther chamele	eon, to hide among	
	a. Colored scales.	b. Brown fur.	c. Short legs.	d. Golden fur.	
7	The energy stored in a	compressed spring is c	onsidered	energy.	
	a. chemical	b. kinetic	c. potential	d. electric	
8	The unit that measures	s speed is			
	a. seconds/meter	b. hour/kilometer	c. meter/second	d. meter/kilometer	
9	What happens to the k	inetic energy when you	u clap your hands?		
	a. It converts to sour	nd and heat energy	b.It converts to so	olar and potential energy	
	c. Some of the energy	y is lost and some of i	t turns into sound e	energy	
10		st and some energy to ne common ways of co		energy en humans and animals.	
	a. Mobile phone	b. Paintings	c. Flashes	d. Writing	

الصف الرابع الابتدائي



2 Complete the following sentence	es using the given brackets:			
1 The in the mouth m	noistens the food to facilitate its digest	ion and swa	llowing.	
		(tong	ue – teet	th)
2 The materials transr	mit light through them.	(transparent	– opaqu	ue)
3 The gravitational force is the for	ce ofand its direction is always do	own towards	the ear	th.
	(pull – pus			sh)
4 A car that travels 80 km in two h	nours is moving at a speed of	km / h.	(40 - 2)	20)
5 The alveoli in are su	ırrounded by a network of blood vesse	els through v	vhich	
gases are exchanged between b	plood and air.	(trachea -	two lung	gs)
3 write True or False:				
When animals dig tunnels it is a	form of structural adaptation.		()
2 Meat-eaters animals have long of	digestive systems.		()
3 The body's potential energy inc	3 The body's potential energy increases as it rises above the Earth's surface.)
Energy transformations don't oc	ccur when food is cooked.		()
6 Objects move a great distance v	when pushed with great force.		()
4 Write the scientific terms using the given words:				
(speed – potential energy - reflexes - communication system – structural adaptation)				
1 A change that occurs within the	structure of the living organisms' bod	ies. ()
2 A group of devices work together t	o transfer information from one place to a	nother. ()
The distance traveled per unit ti	me.	()
The stored energy inside the bo	dy.	()
Messages that the nervous syster	m sends quickly and you cannot control	them. ()
Chance from column (D) the cone		:	- l	۸۱.
Choose from column (B) the sens	ory information that suits each senso	e organ in co	olumn (/	A):
(A)	(B)			
1 The hand	() Light coming from an open window	w.		
2 The eyes	() The bad smell.			
3 The tongue	() Heat from a hot stove.			
The ears	() Sour lemon taste.			
<u> </u>				



Model (5)

1 Choose the correct answ	Choose	the	correct	answe	r
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- 1 What is the energy transformation when riding a bike?
 - a. Thermal energy converts into potential energy.
 - b. Chemical energy converts into kinetic energy.
 - c. Solar energy converts into chemical energy.
 - d. Kinetic energy converts into nuclear energy.
- 2 Which of the following can store energy?
 - a. Battery.
- b. Wire.
- c. Plastic.
- d. electric lamp.
- What is the necessary mathematical relationship to calculate the velocity?
 - a. distance ÷ time
- b. time ÷ distance c. mass ÷ time
- d. time ÷ mass
- 4 The leaves help plants absorb sunlight.
 - a. small
- b. broad
- c. triangular
- d. spiny
- 5 The diaphragm muscle contracts and moves downwards during the process.
 - a. inhalation
- b. exhalation
- c. digestion
- d. feeding
- - a. sight
- b. smell
- c. hearing
- d. taste
- 7 Which of the following allows light to pass through it?
 - a. Wood.
- b. Glass.
- c. Metal.
- d. Wall.

- 8 The opposite figure represents force.
 - a. pushing

b. pulling

c. gravity

- d. friction
- Each of the following represents kinetic energy except —



- a. vibration of particles of the substance during heating
 - b. the movement of sound or light waves in the air
 - c. the movement of electrons inside a wire
 - d. a ball stuck to the top of a tree
- - a. light
- b. sound
- c. smell
- d. movement



2	Complete the following sentences using the given brackets:		
	1 The velocity of a body increases when the time taken to cover a ce	rtain distance	
		(increases - decreases)	
	2 The main source of light on the Earth's surface is the	(sun – fire)	
	3 The blood transports from the lungs to all the cells of	the body.	
	(oxyger	n gas - carbon dioxide gas)	
	4 The amount of energy required to move a body through the force	acting on it is known	
	as	(work - force)	
	When you knock on the door, theenergy changes into	o energy.	
	(kinetic -	sound / kinetic - potential)	
3	Correct the underlined words:		
	1 The spinal cord is the main control center in the human body.	()	
	2 Fish breathe the dissolved oxygen in water through the skin.	()	
	3 One of the negative effects of water pollution on humans is chest disease. (
	4 A ball that rolls on a ramp gradually its <u>potential</u> energy increases	as it falls. ()	
	When balanced forces act on a static body, it moves.	()	
4	Choose from column (B) what suits in column (A):		
	(A)	(B)	
	1 A pattern has meaning	() The friction force	
	2 A force arises between two touching surfaces.	() Its speed increases	
	3 The light property helps us to see our image in mirror	() Chemical energy	
	4 The stored energy in gasoline	() Light reflection	
	When the applied force on object increases ,	() The code	
5	Classify the following into (structural or behavioral) adaptation:	······································	
	1 The presence of sharp thorns in some desert plants.	()	
	2 The varied diet property in some animals.	()	
	3 The activity of bats at night to search for food.	()	
	Sharp teeth in predators.	()	
	5 The eyes of the panther chameleon move in different directions.	()	